



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08935-300001	Application No. 10/779,502
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Andrew G. Gilicinski et al.	
		Filing Date February 13, 2004	Group Art Unit 1746

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
/RA/	AA	US 2003/0162070 A1	08/28/03	Hirsch et al.			
/RA/	AB	6,080,501	06/27/00	Kelley et al.			
	AC						
	AD						
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	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
/RA/	AL	WO 2005/004258	01/13/05	PCT				
↓	AM	WO 2004/105166	12/02/04	PCT				
	AN	1 329 972	07/23/03	EPO				
	AO	0 948 070	10/06/99	EPO				
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature /Raymond Alejandro/	Date Considered 04/04/2007
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/RA/	AA	US 2003/0215686 A1	11/20/03	DeFilippis et al.			
↓	AB	US 2003/0165720 A1	09/04/03	DeFilippis			
↓	AC	6,125,131	09/26/00	Brandes et al.			
↓	AD	5,599,638	02/04/97	Surampudi et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
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							Yes	No
/RA/	AE	WO 03/096445 A1	11/20/03	PCT				

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/RA/	AF	Kallo et al., "Conductance and Methanol Crossover Investigation of Nafion Membranes in a Vapor-Fed DMFC", Journal of the Electrochemical Society, 150, A765-A769, 2003
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↓	AI	Oh et al., "Prediction of sorption and flux of solvents through PDMS membrane", Polymer, 42, 6305-6312, 2001
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↓	AK	Yu I. Tarasevich, "Interaction of Water and Other Polar Substances with Various Sorbents according to Calorimetric and Chromatographic Data", Theoretical and Experimental Chemistry, Vol. 37, No. 4, 197-214, 2001
↓	AL	Sanopoulou et al., "Study of the transition from Fickian to Case II sorption kinetics in the system poly(ethyl methacrylate)-liquid methyl alcohol", Polymer, 42, 1429-1439, 2001
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↓	AN	Kamaruddin et al., "Sorption of Methanol/MTBE and Diffusion of Methanol in 6FDA-ODA Polyimide", Journal of Polymer Science: Part B: Polymer Physics, Vol. 38, 2254-2267, 2000
↓	AO	Lim et al., "Gas Permeable Membranes Composed of Carboxylated Poly(vinyl chloride) and Polyurethane", Bull. Korean Chem. Soc., Vol. 20, No. 6, 672-676, 1999
↓	AP	Doghieri et al., "Sorption and Diffusion of <i>n</i> -Alkanes and Alcohols in Poly (1-trimethylsilyl-1-propyne)", American Chemical Society, 38-55, 1999
↓	AQ	Kim et al., "Measurements of Vapor Sorption Equilibria of Polymer Solutions and Comparative Correlation by GE-Models and Lattice Equations of State", Korean J. Chem. Eng., 15(2), 199-210, 1998

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/RA/	AR	Kim et al., "Measurement and correlation of vapor sorption equilibria of polymer solutions", Elsevier Science B.V., Fluid Phase Equilibria, 150-151, 679-686, 1998
	BA	Rezac et al., "Effect of Copolymer Composition on the Solubility and Diffusivity of Water and Methanol in a Series of Polyether Amides", Journal of Applied Polymer Science, vol. 65 (10), 1983-1993, 1997
	BB	Favre et al., "Sorption, diffusion and vapor permeation of various penetrants through dense poly (dimethylsiloxane) membranes: a transport analysis", Elsevier Science B.V., Journal of Membrane Science, 92, 169-184, 1994
	BC	Biren et al., "Effect of initial sample anisotropy on the solvent sorption kinetics of glassy poly (2-hydroxyethyl methacrylate)", Polymer, Vol. 33, No. 3, 554-561, 1992
	BD	Reisig et al., "Phase Equilibria of the Binary Systems CF ₄ +Methylpropane and CF ₄ +Dimethylpropane Measured in a New Low-Temperature High-Pressure Apparatus", Elsevier Science Publishers B.V., Fluid Phase Equilibria, 51, 269-283, 1989
	BE	Baker et al., "Separation of Organic Vapors from Air", Journal of Membrane Science, 31, 259-271, 1987
	BF	Nagy et al., "Effect on the Structure of Liquid Mixtures of the Equilibria of Polymer Gel-Aliphatic Alcohol-Water Systems", Acta Chimica Academiae Scientiarum Hungaricae, Tomus 74, (2), 233-238, 1972
↓	BG	J.A. Barrie, "Diffusion of Methanol in Polydimethylsiloxane", Journal of Polymer Science, Part A-1, Vol. 4, 3081-3088, 1966

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